

amplification from the cyclized templates. Comparison of these DNA sequences with the cDNA sequences placed exon boundaries at the divergence points. SRP19 and DP1 were each shown to have five exons. DP2.5 consisted of 15 exons. The sequences of the oligonucleotides synthesized to provide PCR amplification primers for the exons of each of these genes are listed in Table III.

- (2) At columns 26-27, delete Table III and replace it with the following replacement Table III. *All the underlining in replacement Table III was present in the original.*

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Table III

Sequence of Primers Used for SSCP Analyses

Exon Primer 1		Primer 2	
<u>DPI</u>			
UP-TCCCCGCTGCCGCTCTC (SEQ ID NO:39)		RP-GCAGCGGGGCTCCCGTG (SEQ ID NO:40)	
UP-GTGAAACGGCTCTCATGCTGC (SEQ ID NO:41)		RP-ACGTGCGGGGAGGAATGGA (SEQ ID NO:42)	
UP-ATGATATCTTACCAATGATATAC (SEQ ID NO:43)		RP-TTATTCTCTACTTCTTATACAG (SEQ ID NO:44)	
UP-TACCCATGCTGGCTCTTTTC (SEQ ID NO:45)		RP-TGGGGCCCATCTTGTTCCTGA (SEQ ID NO:46)	
UP-ACATTAGGCACAAAGCTTGCAA (SEQ ID NO:47)		RP-ATCAAGCTCCAGTAAGAAAGGTA (SEQ ID NO:48)	
<u>SRP19</u>			
UP-TGCGGCTCCTGGGTTGTTG (SEQ ID NO:49)		RP-GCCCCCTTCTTCTGAGGAC (SEQ ID NO:50)	
UP-TTTTCTCCTGCTCTTACTGC (SEQ ID NO:51)		RP-ATGACACCCCCCATTCCTC (SEQ ID NO:52)	
UP-CCACTTAAAGCACATATATTAGT (SEQ ID NO:53)		RP-GTATGAAATAAGTGAAGAACC (SEQ ID NO:54)	
UP-TTCTTAAGTCCTGTTTTCTTTG (SEQ ID NO:55)		RP-TTTAGAACCTTTTTTGTGTGTG (SEQ ID NO:56)	
UP-CTCAGATTATACACTAAGCCTAAC (SEQ ID NO:57)		RP-CATGTCTCTTACAGTAGTACCA (SEQ ID NO:58)	
<u>DP2.5</u>			
UP-AGGTCCAAGGGTAGCCAAGG* (SEQ ID NO:59)		RP-TAAAAATGGATAAACTACAATTAAAG (SEQ ID NO:60)	
UP-AAATACAGAAATCATGTCTGAAGT (SEQ ID NO:61)		RP-ACACCTAAAGATGACAATTGAG (SEQ ID NO:62)	
UP-TAACTTAGATAGCAGTAATTCCC* (SEQ ID NO:63)		RP-ACAATAAACTGGAGTACACAAGG (SEQ ID NO:64)	
UP-ATAGGTCATTGCTTCTGCTGAT* (SEQ ID NO:65)		RP-TGAATTTTAATGGATTACCTAGGT (SEQ ID NO:66)	
UP-CTTTTTTTGCTTTTACTGATTAAAG (SEQ ID NO:67)		RP-TGTAATTTCATTTTATCCCTAATACCTC (SEQ ID NO:68)	
UP-GGTAGCCATAGTATGATTATTCT (SEQ ID NO:69)		RP-CTACCTATTTTATACCCACAAC (SEQ ID NO:70)	
UP-AAGAAAGCCCTACACCAATTTTTC (SEQ ID NO:71)		RP-GATCATTTCTTAGAACCATCTTGC (SEQ ID NO:72)	
UP-ACCTATAGTCTAAATTATACCATC (SEQ ID NO:73)		RP-GTCATGGCAATTACTGACCCAG (SEQ ID NO:74)	
UP-AGTCGTAATTTTGTCTTCTAAACTC (SEQ ID NO:75)		RP-TGAAGGACTCCGATTTCACCC* (SEQ ID NO:76)	

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UP-TCATTCACTCACAGCCTGATGAC* (SEQ ID NO:77)
 UP-AAACATCATGCTCTTCAAATAAC (SEQ ID NO:79)
 UP-GATGATGCTCTTTCCCTCTTGC (SEQ ID NO:81)
 UP-TTTTAAATGATCCTCTATTCTGTAT (SEQ ID NO:83)
 UP-TTCTATTCTTACTGCTAGCAIT (SEQ ID NO:85)
 UP-TAGATGACCCATATTCTCTTC (SEQ ID NO:87)
 UP-GTTACTGCATACACATTGTGAC (SEQ ID NO:89)
 UP-AGTACAAGGATGCCAATATTATG* (SEQ ID NO:103)
 UP-ATTTGAATACTACAGTGTACCC* (SEQ ID NO:105)
 UP-CTGCCCCATACACATTCAAACAC* (SEQ ID NO:107)
 UP-AGTCTTAAATATTCAAGATGAGCAG* (SEQ ID NO:109)
 UP-AAGCCTACCAATTATAGTGAACG* (SEQ ID NO:111)
 UP-AAGAAACAATACAGACTTATTGTG* (SEQ ID NO:113)
 UP-ATCTCCCTCCAAAGTGTGC* (SEQ ID NO:115)
 UP-AGTAAATGCTGCAGTTCAGAGG* (SEQ ID NO:117)
 UP-CCCAGACTGCTTCAAATAATACC* (SEQ ID NO:119)
 UP-CCCTCCAAATGAGTTAGCTGC* (SEQ ID NO:121)
 UP-ACCCCAACAAATCAGTTAGATG* (SEQ ID NO:123)
 UP-ATGATGTTGACCTTCCAGGG* (SEQ ID NO:125)
 UP-AAAGACATACCAGACAGAGG* (SEQ ID NO:127)
 UP-AAGATGACCTGTTGCAGGAATG* (SEQ ID NO:129)
 UP-CAATAGTAGTAAAGTTACATCAAG* (SEQ ID NO:131)
 UP-CAGCCCTTCAAGCAACATC* (SEQ ID NO:133)
 UP-CAGTCTCCTGGCCGAAACTC* (SEQ ID NO:135)
 UP-TGGTAATGGAGCCCAATAAAAGG* (SEQ ID NO:137)
 UP-TGTCTCTATCCACACATTCGTC* (SEQ ID NO:139)
 UP-GGAGAAAGAACTGGAAGTTCATC* (SEQ ID NO:141)
 UP-TCTCCACAGGTAATACTCCC (SEQ ID NO:143)
 UP-CAGGACAAATAATCCTGTCCC (SEQ ID NO:145)

3-A
 B
 C
 D
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 H
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 K
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 V
 W

All primers are read in the 5' to 3' direction, the first primer in each pair lies 5' of the exon it amplifies; the second primer lies 3' of the exon it amplifies. Primers that lie within the exon are identified by an asterisk. UP represents the 21M13 universal primer sequence[.]. RP represents the M13 reverse primer sequence.